

CLAIMS

What is claimed is:

1. An apparatus, comprising:
a frame;
a holder plate to receive a substrate;
at least two fingers to secure the substrate within the holder plate, the at least two fingers to maintain a precise position of the substrate.
2. The apparatus of claim 1, wherein the at least two fingers are coupled by a flexure joint.
3. The apparatus of claim 1, wherein the at least two fingers are coupled by a rigid pivot.
4. The apparatus of claim 1, wherein the at least two fingers clasp the substrate along an outer dimension of the substrate.
5. The apparatus of claim 1, wherein the at least two fingers clasp the substrate with a single thrust actuator.
6. The apparatus of claim 1, wherein the substrate comprises a disk.
7. An apparatus, comprising:
a frame;
a holder plate to receive a substrate;
a flex support coupled to the frame;
a base plate coupled to the flex support; and
a slider assembly coupled to the base plate.

8. The apparatus of claim 7, wherein the slider assembly comprises a X-Y servo slide.
9. The apparatus of claim 7, wherein the slider assembly allows the substrate to be aligned to a desired position.
10. The apparatus of claim 7, wherein the slider assembly comprises a first slider and a second slider, the first slider having rails to allow movement of the first slider along a first axis, the second slider having rails to allow movement of the base plate along a second axis.
11. The apparatus of claim 7, wherein the flex support comprises a cantilever flexure.
12. The apparatus of claim 7, further comprising a flexure assembly embedded within the holder plate to grip the substrate.
13. The apparatus of claim 12, wherein the flexure assembly comprises a plurality of fingers linked together with flexure joints.
14. The apparatus of claim 7, wherein the substrate comprises a disk.
15. An apparatus, comprising:
 - a substrate imprint assembly having an embossing foil;
 - a vision assembly disposed near the substrate imprint assembly; and
 - a substrate infeed/outfeed assembly to position a substrate in the substrate imprint assembly, the vision assembly to provide positional information of the substrate relative to the embossing.

16. The apparatus of claim 15, wherein the vision assembly inspects an embossed pattern on the substrate to determine concentricity of the embossing foil relative the substrate.
17. The apparatus of claim 15, wherein the vision assembly comprises a camera.
18. The apparatus of claim 15, wherein the vision assembly comprises a microscope.
19. The apparatus of claim 15, wherein the vision assembly comprises an optical system.
20. The apparatus of claim 16, wherein the vision assembly is coupled to a servo slide to center the substrate relative to the embossing foil.
21. The apparatus of claim 15, wherein the substrate comprises a disk.